

# ***ELECTROPHORETIC MEDIUM AND DISPLAY WITH IMPROVED IMAGE STABILITY***

## **Abstract of Disclosure**

An electrophoretic medium comprises a plurality of particles suspended in a suspending fluid, the particles being capable of moving through the fluid upon application of an electric field to the medium, the fluid having dissolved or dispersed therein a polymer having a number average molecular weight in excess of about 20,000, the polymer being essentially non-absorbing on the particles. The polymer improves the bistability of the display (i.e., the period for which a written image persist without the display being refreshed) but does not greatly increase the viscosity of the suspending fluid, thus keeping the switching time of the display within reasonable limits. The medium may be encapsulated, or may be in the form a polymer-dispersed electrophoretic medium.

## Figures

Figure 1: A line graph showing the relationship between the number of hours spent studying and the score on a test. The x-axis represents 'Hours Studied' (0 to 10) and the y-axis represents 'Test Score' (0 to 100). The data points are as follows:

Hours Studied	Test Score
0	55
1	60
2	65
3	70
4	75
5	80
6	85
7	90
8	95
9	100
10	100

The graph shows a positive correlation between study hours and test scores, with the score increasing from 55 at 0 hours to 100 at 10 hours.